

NOV 04 1999

IN THE UNITED STATE PATENT AND TRADEMARK OFFICE

Applicant: Werenicz et al.

Examiner: J. Aftergut

Serial #: 09/057,406

Group Art Unit: 1733

Filed: April 8, 1998

Docket: 94-38-3-US-D

Title: **METHOD FOR PRODUCING A CONTINUOUS THERMOPLASTIC COATING AND ARTICLE CONSTRUCTED THEREFROM**

§1.132 DECLARATION

**Assistant Commissioner for Patents
Washington D.C.**

I, Dr. Peter Remmers, declare and state the following:

I am familiar with U. S. Patent Application Serial No. 09/057,406 including the specification and the claims. I am also familiar with the Office Action of February 23, 1999 and U.S. Patent No. 5,409,733 issued to Boger et al, 4-25-95.

I obtained a Doctorate degree in Chemistry from the University of Braunschweig, Germany. From May 1992 to present, I have been employed by the H.B. Fuller Company, Lüneburg, Germany conducting hot melt adhesive research.

I, Dr. Peter Remmers, declare and attest to the following:

1. I believe U.S. Patent No. 5,409,733 issued to Boger et al, 4-25-95 refers to a coating method commonly known in the hot melt industry as "Control Coat®".

2. I attempted to apply a hot melt adhesive with a Control Coat® applicator to determine whether it was possible to obtain a continuous film at low coating weights.

3. HL1618-X is a hot melt adhesive product available from H.B. Fuller Company having the widest application window for use in the method described and claimed in U.S. Patent Application Serial no. 09/057,406.

4. HL-1613-X was applied to a porous nonwoven with the method described in U.S. Patent Application Serial no. 09/057,408 at a coating temperature of 140°C, a coat weight of 8-10 grams/m² and a rate of 222 meters/minute resulting in a continuous coating.

5. The application conditions attempted with the Control Coat® applicator with HL-1613-X were as follows:

Temperature: 140°C to 180°C

Air pressure: 0.5 bar to 5.0 bar

Coat Weight: 40 g/m² to 150 g/m²

6. All the films obtained with the Control Coat® applicator were observed to have an open structure.

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that statements are made with the knowledge that willful and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that false statements may jeopardize the validity of the application or any patent issued thereon.

04. Nov. 99
Date


Dr. Peter Remmers

SCOTIA PLAZA 40 KING STREET WEST,
TORONTO, CANADA M5H 1Y4
TEL 416-567-6000 FAX 416-567-6749
E-Mail info@borden.com
www.borden.com

PLEASE REFER TO:
DIRECT LINE:
DIRECT FAX:
E-Mail:

GORDON J. ZIMMERMAN
416-567-6282
416-561-7321
gzimmerm@borden.com

Borden & Elliot

BARRISTERS & SOLICITORS-PATENT & TRADEMARK AGENTS

October 18, 1999

Dr. Nancy Quan
H.B. Fuller Company, World Headquarters
Patent Department
1200 Willow Lake Boulevard
St. Paul, Minnesota
U.S.A. 55110-5132

Dear Dr. Quan:

Re: Canadian Patent Application No. 2,171,542
Title of Invention: Polystyrene-ethylene/butylene-polystyrene Hot Melt Adhesive
Inventors: Anderson, Carolyn and Simmons, Eugene
Applicant: H.B. Fuller Licensing & Financing, Inc.
Our ref: 946826

Enclosed is an account covering the period through September 30, 1999, which I trust you will find satisfactory.

Please do not hesitate to call or write if you have any comments or questions.

Yours very truly,

BORDEN & ELLIOT

Gordon J. Zimmerman

GJZ:ew
Encl.

is this in USD?
If not, is it possible to convert?
TO →

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

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H.B. Fuller Company
Patent Dept.

100-267-0361

Patent Department
H.B. Fuller Company
St. Paul, MN 55110-5132

SCOTIA PLAZA, 40 KING STREET WEST,
TORONTO, CANADA M5H 1Y4
TEL 416-567-6000 FAX 416-567-6749
E-Mail hbf@borden.com
www.borden.com

GST REGISTRATION NO.: R119424844

Borden & Elliot

BARRISTERS & SOLICITORS-PATENT & TRADE-MARK AGENTS

October 13, 1999
Bill No. 233797

H.B. Fuller Company, World Headquarters
Patent Department
1200 Willow Lake Boulevard
St. Paul, Minnesota
U.S.A. 55110-5132

Attention: Dr. Nancy Quan

Our Matter # 0946826
H.B. FULLER-HOT MELT ADHESIVE

FOR PROFESSIONAL SERVICES RENDERED through September 30, 1999 in connection with
the above-named matter.

09/23/99 Re: Hot Melt Adhesive - forwarding issued patent.

Our Fee \$ 78.00

Total Fees and GST \$ 78.00

DISBURSEMENTS

TAXABLE

Deliveries International	\$	16.25	
Photocopying	\$	5.50	
TOTAL TAXABLE			\$ 21.75

Total Disbursements and GST \$ 21.75



MEMBER ASSOCIATION OF
Borden & Elliot - Howard, Markle & McManis Group
TORONTO OTTAWA CALGARY MONTREAL LONDON BIRMINGHAM



Bill No. 233797
Page 2

TOTAL FEES, DISBURSEMENTS AND GST

\$ 99.75

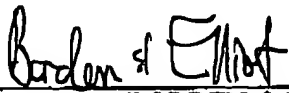
TOTAL DUE FOR THIS MATTER

\$ 99.75

TOTAL DUE

\$ 99.75

Bill rendered October 13, 1999



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PAYMENT OF THIS BILL IS DUE ON RECEIPT.
INTEREST ON ANY AMOUNT OF THIS BILL UNPAID WILL BE CHARGED AT 4.8%
PER ANNUM CALCULATED FROM DATE ONE MONTH AFTER DELIVERY HEREOF.

SCOTIA PLAZA, 40 KING STREET WEST,
TORONTO, CANADA M5H 3Y4
TEL 416-367-6000 FAX 416-367-6749
E-Mail info@borden.com
www.borden.com

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Page 1

GST REGISTRATION NO.: R119424844

October 13, 1999
Bill No. 233797

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IN THE ENVELOPE PROVIDED

H.B. Fuller Company, World Headquarters

Our Matter # 0946826/0371
H.B. FULLER-HOT MELT ADHESIVE

FOR PROFESSIONAL SERVICES RENDERED through September 30, 1999 in connection with the
above-named matter.

Our Fee	\$	78.00
Disbursements	\$	21.75
Total Disbursements and GST	\$	<u>21.75</u>
TOTAL FEES, DISBURSEMENTS AND GST	\$	<u>99.75</u>
TOTAL DUE	\$	<u><u>99.75</u></u>

